
BIOGRAPHICAL SKETCH

NAME	POSITION TITLE		
Khare, Tripti	Assistant Biochemist		
eRA COMMONS USER NAME			
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
G.B. Pant University of Agric & Tech, Pantnagar, India	Ph.D.	1989	Biochemistry
University of Allahabad, Allahabad, India	M.S.	1979	Biochemistry
University of Allahabad, Allahabad, India	B.S.	1977	Biology

Positions and Honors:

2002-present	Assistant Biochemist Department of Biosciences Argonne National Laboratory Argonne, IL 60439
1999-2002	Special Term Appointee (Assistant Biologist) Department of Biosciences Argonne National Laboratory Argonne, IL 60439
1991-1993	Post Doctoral Fellow Northwestern University Chicago Institute of Neurosurgery & Neuroresearch, Columbus Hospital, Chicago, IL 60614
1990	Assistant Professor (Lecturer) Department of Microbiology & Biotechnology Center M.S. University of Baroda, Baroda, India
1989-1990	Assistant Professor (Lecturer) Department of Biochemistry M.S. University of Baroda, Baroda, India
1988-1989	Senior Research Fellow Council of Scientific and Industrial Research (CSIR) Department of Biochemistry G.B. Pant University of Agric.& Tech., Pantnagar, India

Recipient of Junior Research Fellowship (CSIR)
Recipient of Senior Research Fellowship (ICAR)
Recipient of Senior Research Fellowship (DST)

Selected peer-reviewed publications

Yamamoto, H.; Khare, T.; Vandermeulen, D.; Prasad, V.; Kersey, D.; Moskal, J. (1993) Regulation of glycoprotein fucosylation in human brain tumors. *Proceedings of the American Association for Cancer Research*, 34: 222.

Beliaev, A.S.; Thompson, D.K.; Khare, T.; Lim, H.; Brandt, C.C.; Li, G.; Murray, A.E.; Heidelberg, J.F.; Giometti, C.S.; Yates, J.; Nealson, K.H.; Tiedje, J.M.; Zhou, J. (2002) Gene and protein expression profiles of *Shewanella oneidensis* during anaerobic growth with different electron acceptors. *OMICS* 6(1): 39-60.

Thompson D.K.; Beliaev, A.S.; Giometti, C.S.; Tollaksen S.L.; Khare, T.; Lies, D.P.; Nealson, K.H.; Lim, H.; Yates, J.3rd; Brandt, C.C.; Tiedje, J.M.; Zhou, J. (2002) Transcriptional and proteomic analysis of a ferric uptake regulator (*fur*) mutant of *Shewanella oneidensis*: possible involvement of *fur* in energy metabolism, transcriptional regulation, and oxidative stress. *Appl. Environ. Microbiol.* 68(2): 881-92.

Giometti, C.S.; Khare, T.; Tollaksen, S.L.; Tsapin, A.; Zhu, W.; Yates III, J.; Nealson, K.H. (2003) Analysis of the *Shewanella oneidensis* proteome by two-dimensional gel electrophoresis under non-denaturing conditions. *Proteomics* 3: 777-785.

Kemner, K.M.; Kelly, S.D.; O'Loughlin, E.J.; Khare, T.; Moe, L.A.; Fox, B.G.; Donnelly, M.; Londer, Y.; Schiffer, M.; Giometti, C.S. (2003) XRF and XAFS analysis of electrophoretically isolated nondenatured proteins. *Proceedings of the 12th International XAFS Conference, Malmo, Sweden, June 2003. Physica Scripta*, T115: 940-942, 2005.

Zhu, W, Venable, J, Giometti, CS, Khare, T, Tollaksen, S, Ahrendt, AJ, and Yates, JR 3rd. *Electrophoresis* 26: 4495-4507, 2005. Large-scale muLC-MS/MS for silver and Coomassie blue-stained polyacrylamide gels.

Tripti Khare, Carol S. Giometti, Abraham Esteve-Núñez, Kelly P. Nevin, Wenhong Zhu, John R. Yates III, and Derek Lovley. Differential protein expression in the metal-reducing bacterium *Geobacter sulfurreducens* PCA grown with fumarate or ferric citrate. *Proteomics* 6: 632-40, 2006.

Weimin Gao, Yongqing Liu, Carol S. Giometti, Sandra Tollaksen, Tripti Khare, Liyou Wu, Matthew W. Fields, and Jizhong Zhou. Knock-out of a prohibitin-like protein results in alteration of iron metabolism, increased spontaneous mutation and hydrogen peroxide sensitivity in bacterium *Shewanella oneidensis*. *BMC Genomics* 7:76, 2006.

T. Khare and C.S. Giometti. Differential recovery of biotinylated microbial proteins using monomeric or polymeric avidin. *BioTechniques* 40:584-588, 2006.

Nunez, C., Esteve-Nunez, A., Giometti, C., Tollaksen, S., Khare, T., Lin, W., Lovley, D.R., Methe, B.A. *J. Bacte. DNA Microarray and Proteomic Analyses of the RpoS Regulon in Geobacter sulfurreducens.* 188:2792–2800, 2006.

Ding YH, Hixson KK, Giometti CS, Stanley A, Esteve-Núñez A, Khare T, Tollaksen SL, Zhu W, Adkins JN, Lipton MS, Smith RD, Mester T, Lovley DR. *Biochim Biophys Acta.* The proteome of dissimilatory metal-reducing microorganism *Geobacter sulfurreducens* under various growth conditions. 1764:1198-206, 2006.